

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number  
WO 2004/035153 A2

(51) International Patent Classification<sup>7</sup>:

A63C

(21) International Application Number:

PCT/US2003/033107

(22) International Filing Date: 17 October 2003 (17.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/419,186

17 October 2002 (17.10.2002)

US

(71) Applicant and

(72) Inventor: PUPKO, Michael, M. [US/US]; 9002 Sunset  
Drive, Colden, NY 14033 (US).

(74) Agent: SIMMONS, James, C.; The Law Office of James  
C. Simmons, 11 Falmouth Lane, Williamsville, NY 14221  
(US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

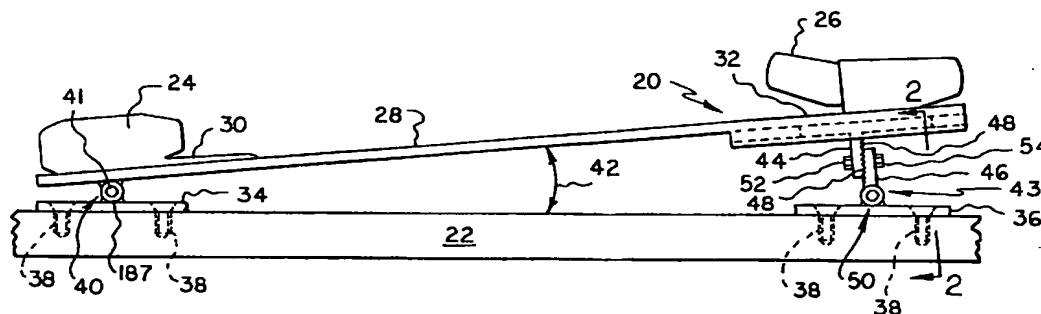
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SKI BINDING ADJUSTABLE FOR IMPROVED BALANCE



(57) Abstract: A mechanism for attaching a boot to a ski with the heel end of the boot being height adjustable. The toe end portion of the boot is pivotally attaching to the ski. A pair of members extend from the heel end portion and the ski respectively and have serrated surfaces which face each other with serrations in one surface engaging complementary serrations in the other surface at various heights of the heel end portion. The members are fastened together at various heights to which the heel end portion is adjusted. A track on the heel end portion is slidably engaged by the heel end portion member. Alternatively, a pair of members are pivotally attached to the ski along a common pivot axis and are drawn together and apart by a screw, and a track structure on the boot is slidably engaged by end portions of the members. A boot plate is pivotally laterally adjustable. An extension member is attachable to an end portion of the boot plate for increasing boot plate length. Ski brake height is adjusted by cutting off a ground engaging portion of the brake and by applying to a shank of the brake a tubular portion of a member from which extends a replacement ground engaging portion providing a different brake length commensurate with a changed heel height.